

PROCESS FOR THE PRODUCTION OF A DIARYL CARBONATE

ABSTRACT OF THE DISCLOSURE

A process for the production of an aromatic carbonate is disclosed. The process entails (i) tempering an amount of aromatic hydroxy compound for a period t_2 at an average temperature T_2 in a device by bringing it together with an amount B_1 of component (d) and an amount C_1 of component (e), to produce an activated aromatic hydroxy compound wherein component (d) is at least one compound selected from the group consisting of the compounds of Ru, Os, Rh, Ir, Ni, Pd and of Pt, and wherein component (e) is at least one compound selected from the group consisting of the compounds of Sc, Y, La, Ti, Zr, Hf, V, Nb, Ta, Cr, Mo, W, Mn, Fe, Ni, Co, Cu, Ag, Au, Zn, Cd, Hg, Ga, In, Tl, Ge, Sn, Sb, Bi and Pb, and (ii) reacting in a reaction apparatus for a time t_1 and at an average temperature T_1 the activated aromatic hydroxy compound with carbon monoxide and oxygen in the presence of a catalyst system comprising an amount B_2 of component (d) and an amount C_2 of component (e) to produce an aromatic carbonate, said t_2 being less than 50% of t_1 and said T_2 being at least 15 °C below said T_1 .